

Converting Colors

$Yxy(33.9666, 0.2708, 0.3298)$

Have a look what the booklet for
Yxy(33.9666, 0.2708, 0.3298)
contains.

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Color

Yxy(34.1725, 0.2711, 0.3305)

Conversions

Conversions Part 1

Format	Color
Hex	75A7A6
RGB	117, 167, 166
RGB Percent	46%, 65%, 65%
CMY	0.5414, 0.3450, 0.3490
CMYK	0.30, 0.00, 0.01, 0.35
HSL	179°, 22%, 56%
HSV	179°, 30%, 65%
XYZ	28.0308, 34.1725, 41.1931
YIQ	151.9360, -29.4790, -10.9110

Conversions

Conversions Part 2

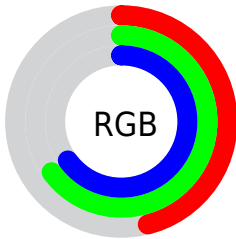
Format	Color
RYB	117, 142, 167
Decimal	7710630
CIELab	65.10, -16.75, -4.82
CIElCh	65, 17.432, 196.064
Yxy	34.1725, 0.2711, 0.3305
Android (android.graphics.Color)	4285900710 (0xFF75A7A6)
YUV	151.9360, 6.9336, -30.6389
Hunter-Lab	58.4572, -16.7079, -0.8599

Details

The Yxy color **34.1725, 0.2711, 0.3305** is a light color, and the websafe version is hex **669999**. A complement of this color would be **22.2316, 0.3767, 0.3276**, and the grayscale version is **31.3443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1209, 0.2794, 0.3301**, and **14.6346, 0.2583, 0.3312** is the 20% darker color. If you saturate the color by 10%, you get **33.1067, 0.2596, 0.3311**, and if you desaturate by 10%, it is **35.4475, 0.2840, 0.3300**.

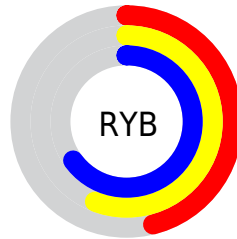
Distribution



Red (46%)

Green (65%)

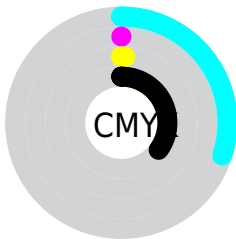
Blue (65%)



Red (46%)

Yellow (56%)

Blue (65%)

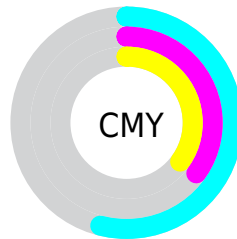


Cyan (30%)

Magenta (0%)

Yellow (1%)

Black (35%)



Cyan (54%)


Magenta (35%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1725, 0.2711, 0.3305 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 34.1725, 0.2711, 0.3305 by changing the saturation by 10% instead.


 34.1725, 0.2711,
0.3305


 34.1725, 0.2711,
0.3305


320.9005, 0.2928,
0.3300


 23.0261, 0.2654,
0.3305


 66.2018, 0.2792,
0.3304

 14.6128, 0.2579,
0.3305


 87.8536, 0.2822,
0.3303

 8.5481, 0.2476,
0.3303


 113.7760, 0.2846,
0.3303

 4.4476, 0.2327,
0.3298

144.3533, 0.2868,
0.3302

 1.9270, 0.2090,
0.3282

179.9701, 0.2886,
0.3301

 0.5645, 0.0776,
0.3434

221.0106, 0.2902,

 0.0000, 0.0000,

0.3301

0.0000

267.8593, 0.2915,
0.3300

■ 34.1725, 0.2711,
0.3305

■ 34.1725, 0.2711,
0.3305

■ 33.1067, 0.2596,
0.3311

■ 35.4475, 0.2840,
0.3300

■ 32.2349, 0.2496,
0.3317

■ 36.9376, 0.2980,
0.3295

■ 31.5465, 0.2414,
0.3323

■ 38.6539, 0.3127,
0.3290

■ 31.0282, 0.2350,
0.3330

■ 40.6051, 0.3280,
0.3286

■ 30.6649, 0.2305,
0.3336

■ 42.7997, 0.3436,
0.3282

■ 30.4389, 0.2278,
0.3342

■ 45.2458, 0.3591,
0.3279

■ 30.3101, 0.2264,
0.3349

■ 47.9510, 0.3745,
0.3276

■ 30.3100, 0.2264,
0.3349

■ 50.9227, 0.3895,
0.3274

■ 51.7701, 0.3932,
0.3271

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.1725, 0.2912, 0.3555



34.1725, 0.2711, 0.3305



34.1725, 0.2620, 0.3063

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.1725, 0.2711, 0.3305



34.1725, 0.3060, 0.2896



34.1725, 0.3616, 0.3670

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



34.1725, 0.2711, 0.3305



22.2316, 0.3767, 0.3276

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



34.1725, 0.3663, 0.3480



34.1725, 0.2711, 0.3305



34.1725, 0.3334, 0.3044

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



34.1725, 0.2711, 0.3305



34.1725, 0.2814, 0.2841



34.1725, 0.3558, 0.3253



34.1725, 0.3435, 0.3768

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.1725, 0.2711, 0.3305



34.1725, 0.2630, 0.2942



34.1725, 0.3558, 0.3253



34.1725, 0.3648, 0.3614

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



34.1739, 0.2711, 0.3305



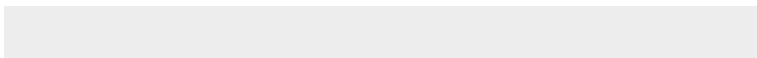
66.3762, 0.2992, 0.3294



32.8202, 0.3102, 0.4141



14.7632, 0.2971, 0.3295



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.1739, 0.2711, 0.3305



59.8765, 0.2632, 0.3309



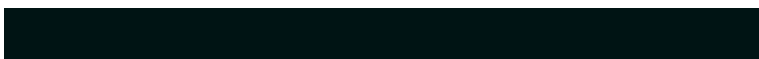
26.4071, 0.2661, 0.2901



8.5294, 0.2990, 0.3294



23.1894, 0.2263, 0.3348



0.5650, 0.2257, 0.3327

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22.2316, 0.3767, 0.3276



35.0002, 0.3973, 0.3273



28.3459, 0.3677, 0.3649



7.5447, 0.3283, 0.3286



6.2932, 0.6373, 0.3284



0.1539, 0.6246, 0.3214

Previews

White Background



This preview shows how the Yxy color 34.1725, 0.2711, 0.3305 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 34.1725, 0.2711, 0.3305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

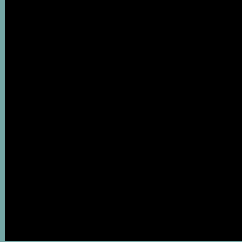
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.1725, 0.2711, 0.3305

Background



This preview shows how black text looks on a background with the Yxy color 34.1725, 0.2711, 0.3305.

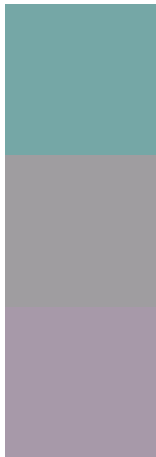


This preview shows how white text looks on a background with the Yxy color 34.1725, 0.2711, 0.3305.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

34.1725, 0.2711, 0.3305

Protanopia

34.0229, 0.3120, 0.3246

Deuteranopia

33.8625, 0.3118, 0.3062



Tritanopia

34.1177, 0.2645, 0.3087

Trichromacy



Original Color

34.1725, 0.2711, 0.3305

Protanomaly

34.0277, 0.2961, 0.3274

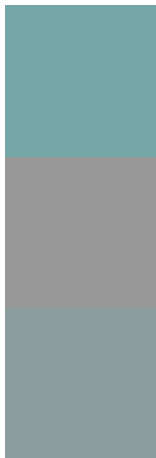
Deuteranomaly

33.6704, 0.2955, 0.3140

Tritanomaly

34.2504, 0.2668, 0.3163

Monochromacy



Original Color

34.1725, 0.2711, 0.3305

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.0372, 0.2956, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1725, 0.2711, 0.3305 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(117, 167, 166)` looks like.

```
.text, #text, p{  
    color:rgb(117, 167, 166)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(117, 167, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 167, 166) }
```

Border

The CSS property to change the border of an element to Yxy 34.1725, 0.2711, 0.3305 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 167, 166) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(117, 167, 166) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(117, 167, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 167, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 167, 166);  
box-shadow:4px 4px 4px 4px rgb(117, 167,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1725, 0.2711, 0.3305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 167, 166) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(117,  
167, 166) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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